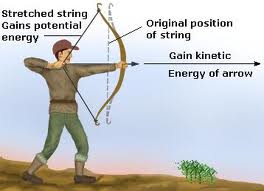
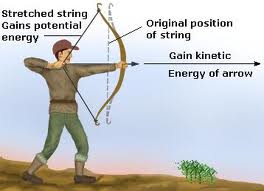
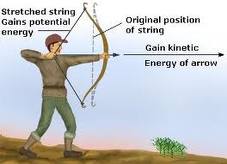
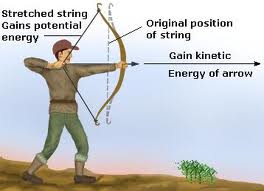
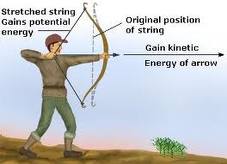
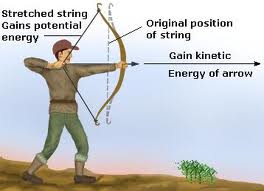
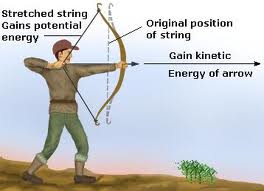
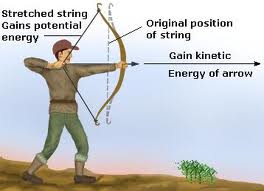
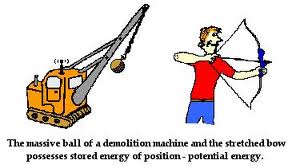
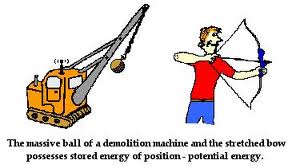
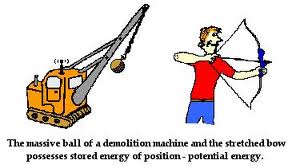
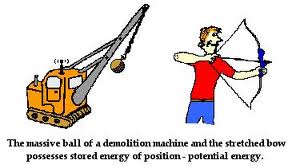
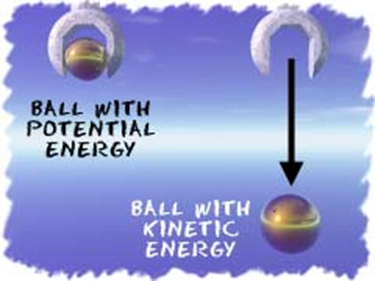
Potential Energy

Potential Energy is the energy of a body or a system with respect to the position of the body or the arrangem[](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/work-energy-power/stretched-string-potential-energy.jpeg&imgrefurl=http://www.tutorvista.com/content/physics/physics-i/work-energy-power/potential-energy.php&usg=__m4vFZmkVhiPnhkN2bzPWPfYrVrM=&h=259&w=358&sz=16&hl=en&start=34&zoom=1&tbnid=GlCi4vTtBxtKRM:&tbnh=111&tbnw=152&ei=R1hVTezAGYGKlwfww4TdBw&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=589&vpy=77&dur=9500&hovh=191&hovw=264&tx=162&ty=154&oei=HE5VTfbILtS2twfD_sCkDQ&page=4&ndsp=11&ved=1t:429,r:9,s:34)ent of the particles of the system. [](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/work-energy-power/stretched-string-potential-energy.jpeg&imgrefurl=http://www.tutorvista.com/content/physics/physics-i/work-energy-power/potential-energy.php&usg=__m4vFZmkVhiPnhkN2bzPWPfYrVrM=&h=259&w=358&sz=16&hl=en&start=34&zoom=1&tbnid=GlCi4vTtBxtKRM:&tbnh=111&tbnw=152&ei=R1hVTezAGYGKlwfww4TdBw&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=589&vpy=77&dur=9500&hovh=191&hovw=264&tx=162&ty=154&oei=HE5VTfbILtS2twfD_sCkDQ&page=4&ndsp=11&ved=1t:429,r:9,s:34)[](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/work-energy-power/stretched-string-potential-energy.jpeg&imgrefurl=http://www.tutorvista.com/content/physics/physics-i/work-energy-power/potential-energy.php&usg=__m4vFZmkVhiPnhkN2bzPWPfYrVrM=&h=259&w=358&sz=16&hl=en&start=34&zoom=1&tbnid=GlCi4vTtBxtKRM:&tbnh=111&tbnw=152&ei=R1hVTezAGYGKlwfww4TdBw&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=589&vpy=77&dur=9500&hovh=191&hovw=264&tx=162&ty=154&oei=HE5VTfbILtS2twfD_sCkDQ&page=4&ndsp=11&ved=1t:429,r:9,s:34)[](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/work-energy-power/stretched-string-potential-energy.jpeg&imgrefurl=http://www.tutorvista.com/content/physics/physics-i/work-energy-power/potential-energy.php&usg=__m4vFZmkVhiPnhkN2bzPWPfYrVrM=&h=259&w=358&sz=16&hl=en&start=34&zoom=1&tbnid=GlCi4vTtBxtKRM:&tbnh=111&tbnw=152&ei=R1hVTezAGYGKlwfww4TdBw&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=589&vpy=77&dur=9500&hovh=191&hovw=264&tx=162&ty=154&oei=HE5VTfbILtS2twfD_sCkDQ&page=4&ndsp=11&ved=1t:429,r:9,s:34)[](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/feed/u2375/potential%20image.JPG&imgrefurl=http://www.tutorvista.com/topic/elastic-potential-energy&usg=__3V-zNfcpRatFlbg0EysxHLd1ei0=&h=211&w=365&sz=17&hl=en&start=0&zoom=1&tbnid=6XQVJBUos7JbyM:&tbnh=98&tbnw=170&ei=HE5VTfbILtS2twfD_sCkDQ&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=286&vpy=79&dur=827&hovh=168&hovw=292&tx=178&ty=100&oei=HE5VTfbILtS2twfD_sCkDQ&page=1&ndsp=10&ved=1t:429,r:1,s:0)[](http://www.google.com/imgres?imgurl=http://image.wistatutor.com/content/feed/u2375/potential%20image.JPG&imgrefurl=http://www.tutorvista.com/topic/elastic-potential-energy&usg=__3V-zNfcpRatFlbg0EysxHLd1ei0=&h=211&w=365&sz=17&hl=en&start=0&zoom=1&tbnid=6XQVJBUos7JbyM:&tbnh=98&tbnw=170&ei=HE5VTfbILtS2twfD_sCkDQ&prev=/images?q=examples+of+potential+energy+for+kids&um=1&hl=en&safe=active&biw=1003&bih=379&tbs=isch:1&um=1&itbs=1&iact=hc&vpx=286&vpy=84&dur=6552&hovh=168&hovw=292&tx=152&ty=128&oei=HE5VTfbILtS2twfD_sCkDQ&page=1&ndsp=10&ved=1t:429,r:1,s:0)

Kinetic Energy

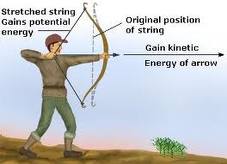
Kinetic Energy is the energy of a body or a system with respect to the motion of the body or of the particles in the system.



Kinetic vs. Potential

Kinetic and potential energies are found in all objects. If an object is moving, it is said to have kinetic energy (KE). Potential energy (PE) is energy that is "stored" because of the position and/or arrangement of the object. The classic example of potential energy is to pick up a brick. When it's on the ground, the brick had a certain amount of energy. When you pick it up, you apply force and lift the object. You did work. That work added energy to the brick. Once the brick is in a higher/new position, we would say that the increased energy was stored in the brick as PE. Now the brick can do something it couldn't do before; it can fall. And in falling, can exert forces and do work on other objects.

<http://www.physics4kids.com/files/motion_energy.html>



Chemical energy, thermal energy, electrical, electromagnetic, acoustic, nuclear, mechanical

Definition, sentence, picture

Chemical Energy

Definitions from - Dictionary.com (link at the top of the wiki)

Chemical Energy:That part of the energy in a substance that can be released by a chemical reaction.

Here are some pictures that demonstrate Chemical Energy

WHY? The apple that the boy just consumed contains chemical energy.

Here is a link to a good chemical energy website that is very detailed and easy to understand : <http://fhm.fhsd.k12.mo.us/jhughes/Hughes/Units/EnergyChemical.htm>

